

Iowa Department of Natural Resources
Wastewater Section
Construction Permit application
SCHEDULE D, Trunk & Interceptor Sewer

DATE PREPARED	PROJECT IDENTITY	DNR USE
DATE REVISED		PROJECT NO.
		PERMIT NO.

1. Design of reach above

A. Manhole No. Initial area – acres Ultimate area – acres Initial – BOD ₅ , #/day Ultimate – BOD ₅ , #/day Initial PHWW flow – MGD Design PHWW flow - MGD Ultimate PHWW flow - MGD B. Critical section of reach Pipe diameter - inches Slope - % Carrying capacity - MGD	<table style="width: 100%; border-collapse: collapse;"> <tr><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td></tr> <tr><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td></tr> <tr><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td></tr> <tr><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td></tr> <tr><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td></tr> <tr><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td></tr> <tr><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td></tr> <tr><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td></tr> <tr><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td></tr> <tr><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td></tr> <tr><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td></tr> </table>																																																																		

2. Pipe

Diameter – inches Material Joint Maximum manhole space – feet Total length - feet	<table style="width: 100%; border-collapse: collapse;"> <tr><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td></tr> <tr><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td></tr> <tr><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td></tr> <tr><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td></tr> <tr><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td></tr> <tr><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td><td style="height: 15px;"></td></tr> </table>																																				

3. Construction specifications (indicate ASTM No. or other standard included in the specifications).

A. Bedding class			
B. Pipe laying			
C. Compaction			
D. Manhole			
E. Specified maximum infiltration/exfiltration rate			
F. Infiltration/exfiltration test procedures			
G. Alignment & grade test procedures			
(1) During construction: Stake & batter board		Laser	
(2) After construction: Lamping		Other	
H. Deflection test procedures			

4. Are detailed manhole drawings included? Yes ☐ No ☐ Typical frame and cover assembly : _____
 Are manhole covers nonvented? Yes ☐ No ☐ Manhole diameter _____ in.
 Manhole opening diameter _____ in. Material _____

5. Minimum sewer & water main separation: Horizontal _____ ft. Vertical _____ in. Are specifications included?

6. Stream, road, or railroad crossing protection _____
 Are specifications included? _____